

A. Key Personnel

David Douches, MSU, is the Project Director (PD) for SolCAP and will lead the Executive Committee (EC). Douches will lead potato germplasm acquisition for the panel, and work with Co-PIs and cooperators to develop guidelines for field-based phenotyping. He will manage the MSU budget, hire and directly supervise the project assistant; make all final decisions on budget allocations to the co-PDs, collaborators, and service contracts; oversee all project objectives and manage the small grants program.

David Francis, OSU, co-PD and member of the EC, will serve as the team leader for tomato where his role is to assemble and distribute germplasm, work with cooperators to develop the guide for field testing, coordinate the field testing, and manage a site for field evaluation. In addition he will (with Van Deynze) coordinate the SNP genotyping and validation, and will manage the SNP genotyping facility at OSU (using Luminex 200 and Illumina BeadXpress platforms). Francis will work with UCD, MSU and SGN to coordinate tomato DNA sequencing and databases of SNP genotypes; coordinate eXtension.org content with Stone; and will manage the budget of the OSU subcontract.

Allen Van Deynze, UCD, co-PD and member of the EC, will oversee normalized library construction and sequencing (with Matvienko) and initial SNP genotyping through the UCD Genome Center DNA Technologies Core; coordinate SNP genotyping and integration of genotype data into SGN with Francis (OSU) and the evaluation trials tomato in CA; coordinate the SolCAP education workshops and extension at UCD through the Seed Biotechnology Center; manage the budget of UCD subcontract.

Walter De Jong, CU, is co-PD and member of the EC and will manage the education component of SolCAP, De Jong will also manage the seed increase of the clonal material in the potato germplasm panel; work with UCD, MSU and SGN to coordinate the potato DNA sequencing, potato SNP validation and data management. De Jong will manage the budget of the CU subcontract.

Robin Buell, MSU, co-PD and member of EC, will coordinate the MSU bioinformatics component of the project; supervise sequencing, provide quality control of sequencing, and manage bioinformatic identification of SNPs/indels in publicly available sequence as well as sequences generated in this project; annotate the sequences generated in this project and integrate these with other Solanaceae genomics resources; identify candidate genes; coordinate with SGN in the dissemination of the project data. Buell will ensure that existing tools, resources, and computational pipelines in place at MSU are leveraged and that data are efficiently transferred to SGN and public databases.

Alex Stone, Oregon State University, will work closely with SolCAP PIs and all other CAPs and John McQueen on development and adaptation of the collaborative workspace for Plant Breeding and Genomics Community of Practice (PBGCOP). She will act as co-liaison with eXtension.org, in cooperation with the SolCAP outreach coordinator and John McQueen. She will manage the SolCAP PBGCOP technical project and budget.

Lukas Mueller will oversee all bioinformatic activities within SGN; oversee a relational database to store and organize all genotypic/phenotypic data generated at UCD and OSU, and ensure that all data is submitted in a standardized format; oversee development of user interfaces (*see letter of support*).

Kelly Zarka, as project assistant, helps coordinate daily operations, creates, collects and organizes reports, creates powerpoint presentations, posters and brochures that can be used by SolCAP scientists. She will coordinate conference calls, yearly workshops, committee meetings, and annual meetings. Kelly will create and maintain the SolCAP project website as well as create and edit the project newsletter. She liaises with MSU financial officers to maintain the project budget. Works with John McQueen providing support for the eXtension Community of Practice PBGCoP. Kelly, along with Dave Douches, will work with Dr. Michael Coe on extension/education assessment.

John McQueen, Oregon State University will provide coordination of and support for the development of an eXtension Community of Practice PBGCoP. He will work collaboratively with the project leaders, other coordinators, and Community of Practice members in designing and delivering engaging, effective, functional, and informative content. The coordinator will also act as the key liaison between eXtension and the Community of Practice. John McQueen is currently fulfilling a similar role with another eXtension Community of Practice, eOrganic.

Barbara Liedl will help coordinate the SolCAP education and extension effort with Stone, Francis, De Jong and Van Deynze; content developer for PBGCoP and publishing leader for PBGC eXtension.org content; voice of minority serving institutions.

Roger Chetelat will coordinate grow out, evaluation, and harvest of the wild tomato accessions at the UC Davis site (*see letter of support*).

Germplasm Panel Field Evaluation Team: **Kathy Haynes** and **Dave Douches** will coordinate the data management and analysis of the potato field studies. **Walter De Jong, Craig Yench, Shelley Jansky, Rich Novy, Isabel Vales** and **Christian Thill** will manage the field testing sites for potato. **Jay Scott, Allen Van Deynze** and **Dave Francis** will manage field sites for tomato.